



09/701699

**PATENT** - cjc

Patent No.: 6,633,051  
Issue Date: October 14, 2003  
Inventor(s): Alan James HOLLOWAY; Kevyn B. JONAS; David A. WRIGHT  
Title: SURFACE SENSING DEVICE WITH OPTICAL SENSOR  
Docket No.: 108036

**REQUEST FOR CERTIFICATE OF CORRECTION UNDER RULE 322**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

It is respectfully requested that a Certificate of Correction be issued in order to correct the errors specified in the attached copy of Certificate of Correction Form PTO-1050.

It is believed that the errors are on the part of the Patent and Trademark Office, and therefore no fee is due in relation to this matter in accordance with the provisions of 37 C.F.R. §1.322. However, should any fee be due, please charge the same against Deposit Account No. 15-0461 in order to ensure prompt issuance of a Certificate of Correction.

Respectfully submitted,

James A. Oliff  
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Registration No. 50,559

**Certificate**  
MAR 09 2009  
**of Correction**

JAO:GL/eks

Date: March 5, 2009

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**DEPOSIT ACCOUNT USE  
AUTHORIZATION**

Please grant any extension  
necessary for entry;

Charge any fee due to our  
Deposit Account No. 15-0461

MAR - 9 2009

## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 6,633,051

DATED : October 14, 2003

INVENTOR(S) : Alan James HOLLOWAY; Kevyn B. JONAS; David A. WRIGHT

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 8, line 12 (claim 1, line 2), the word "hollow" should be deleted.

Please delete:

1. A surface sensing device for use in position determining apparatus and which includes a hollow stylus having a workpiece-contacting tip and an optical transducer system, said optical transducer system comprising a light source for producing a beam of light directed internally of the stylus towards the tip of the stylus, an optical component mounted adjacent the tip of the stylus to return the beam, and a detector positioned relative to the returned beam to receive the beam and to produce a signal indicative of a lateral displacement of the stylus tip, wherein the optical component is a retro-reflecting device which is substantially insensitive to tilting of the stylus tip.

Replace with:

1. A surface sensing device for use in position determining apparatus and which includes a stylus having a workpiece-contacting tip and an optical transducer system, said optical transducer system comprising a light source for producing a beam of light directed internally of the stylus towards the tip of the stylus, an optical component mounted adjacent the tip of the stylus to return the beam, and a detector positioned relative to the returned beam to receive the beam and to produce a signal indicative of a lateral displacement of the stylus tip, wherein the optical component is a retro-reflecting device which is substantially insensitive to tilting of the stylus tip.

Column 10, line 4 (claim 16, line 1), "claim 1" should read "claim 15".

Please delete:

16. The surface sensing device according to claim 1, wherein the spot lies substantially at an end of the stylus remote from the workpiece-contacting tip.

Replace with:

16. The surface sensing device according to claim 15, wherein the spot lies substantially at an end of the stylus remote from the workpiece-contacting tip.

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No. of additional copies

